

and shall collect and publish, from time to time, all available statistics on the subject, and shall suggest to the General Assembly such measures as may be useful for the encouragement of this industry, and more particularly for the suppression of the ravages of dogs.

2d. With investigations relating to the diseases of cattle and other domestic animals, and shall publish and distribute, from time to time, circulars of information relative to any contagious diseases of stock, and shall have power in such cases to quarantine infected animals, and to regulate the transportation of stock in this State, or from one section of it to another, and any person wilfully violating such regulations shall be guilty of a misdemeanor.

3d. With investigations relating to the ravages of insects and with the dissemination of such information as may be deemed essential for their abatement.

4th. With investigations and experiments directed to the introduction and fostering of new agricultural industries, adapted to the various climates and soils of this State; especially the culture of silk, the sugar beet, the grape and other fruits.

5th. With the investigation of the subject of drainage and irrigation, and shall publish circulars of information as to the best methods and formulæ of both, and what surfaces, soils and localities may be most benefitted by such improvements, also, with the collection and publication of information in regard to localities, character, accessibility, cost and modes of utilization of native mineral and other domestic sources, of fertilizers, including formulæ for composting, adapted to different crops, soils and materials.

6th. With the collection of statistics relating to the subject of fences, with suggestions for diminishing their cost and the conditions under which they may be dispensed with altogether.

7th. With the supervision of all measures for the protection, propagation and culture of fish in the rivers and other inland waters of this State, and to this end they shall at once provide for stocking all available waters of the State with the most approved breeds of fishes, and shall avail themselves of such aid